

4.2.1. 05130203090.

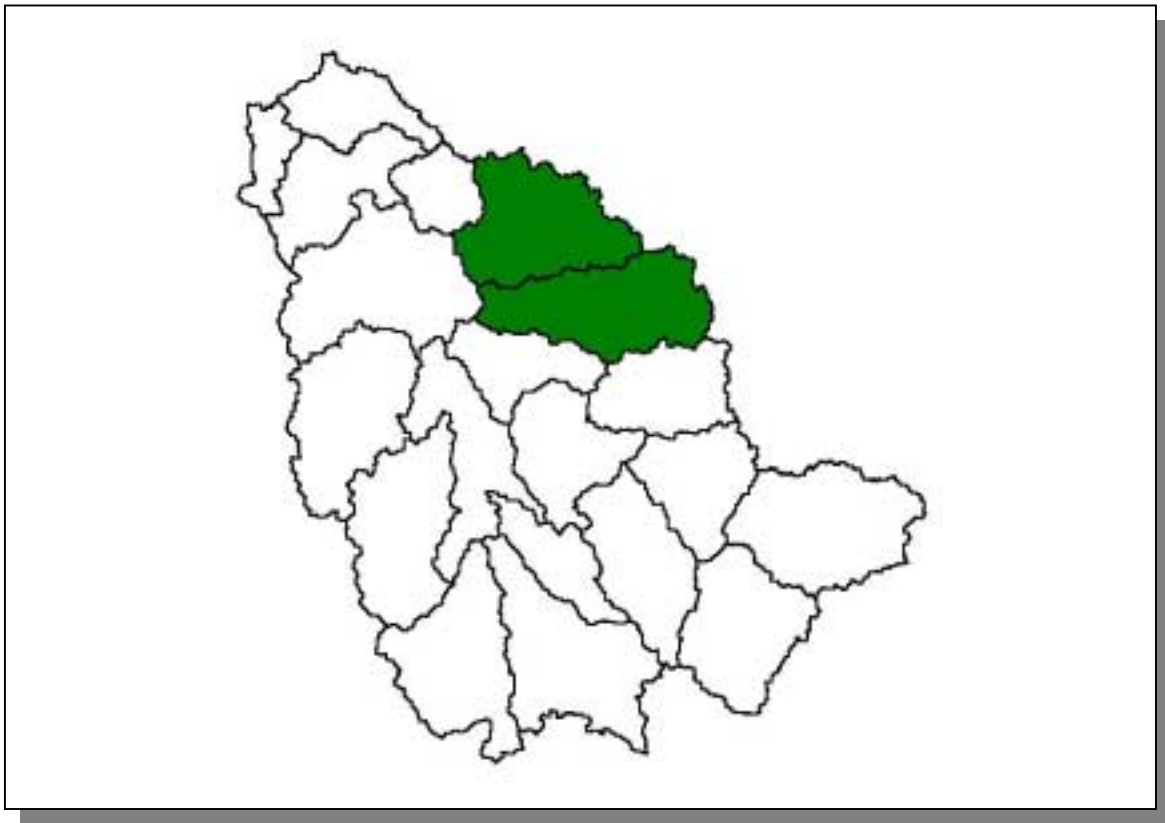


Figure 4-49. Location of Subwatershed 05130203090. All Stones HUC-14 subwatershed boundaries are shown for reference.

4.2.I.i. General Description.

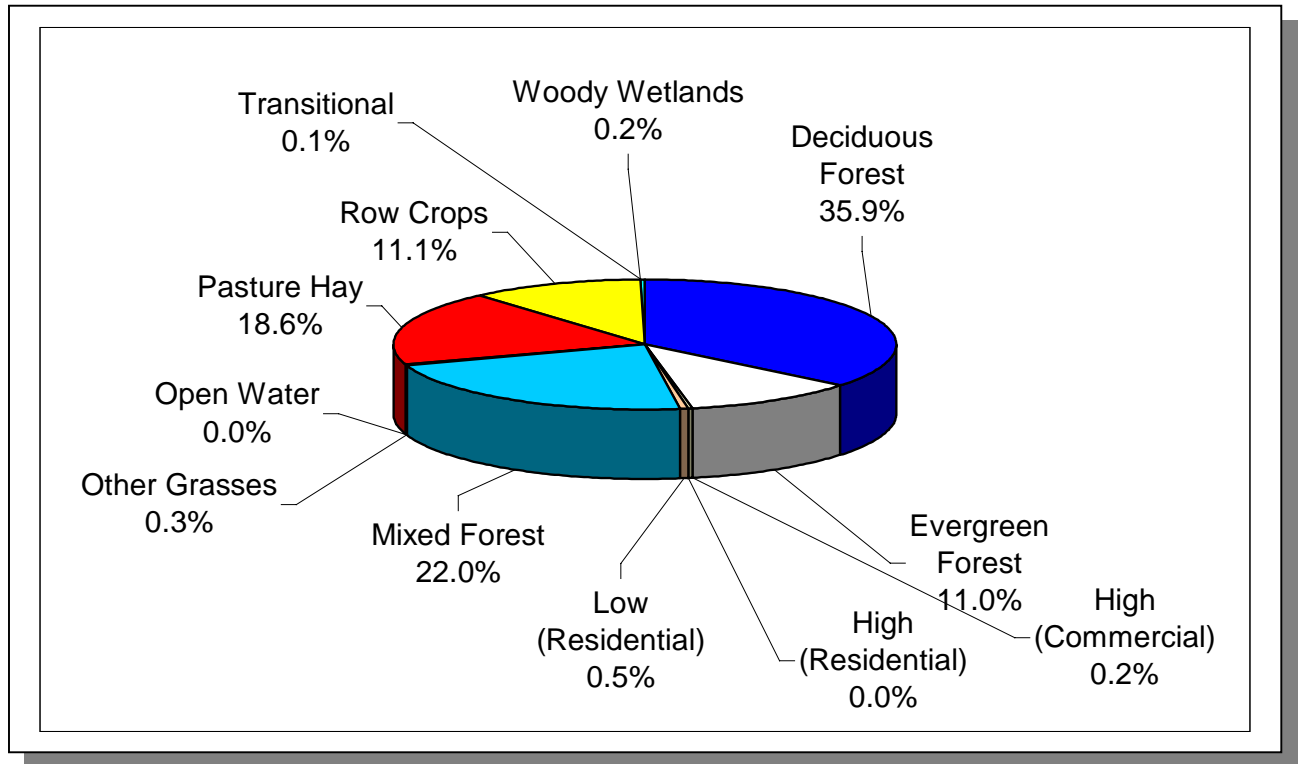


Figure 4-50. Land Use Distribution in Subwatershed 05130203090. More information is provided in Stones-Appendix IV.

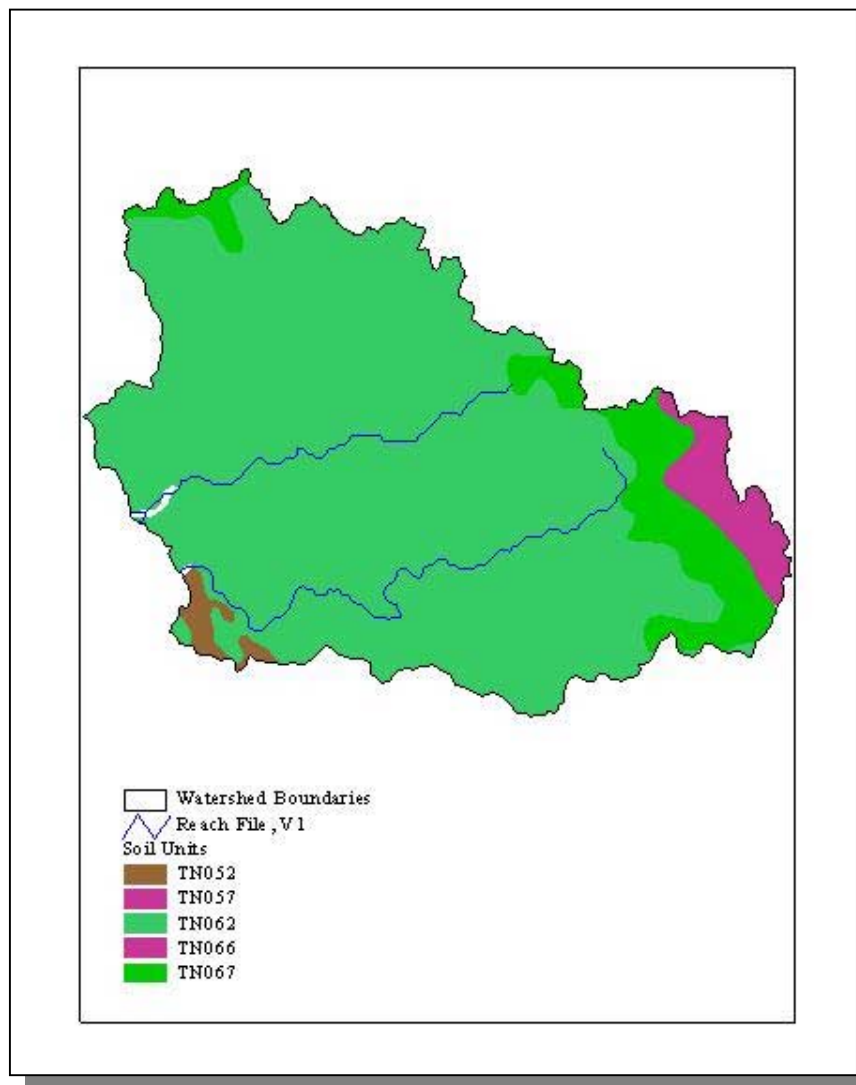


Figure 4-51. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 05130203090.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN052	0.00	B	1.23	5.46	Silty Loam	0.39
TN057	0.00	C	1.14	5.01	Clayey Loam	0.33
TN062	0.00	C	0.98	4.40	Clayey Loam	0.26
TN066	0.00	B	2.62	4.75	Loam	0.28
TN067	2.00	C	2.69	5.51	Silty Loam	0.35

Table 4-54. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 05130203090. More information is provided in Stones-Appendix IV.

	COUNTY POPULATION			ESTIMATED POPULATION IN WATERSHED		% CHANGE
County	1990	1997 Est.	Portion of Watershed (%)	1990	1997	
Rutherford	118,570	159,987	2.36	2,796	3,773	34.9
Wilson	67,675	81,327	18.41	12,456	14,969	20.2
Totals	186,245	241,314		15,252	18,742	22.9

Table 4-55. Population Estimates in Subwatershed 05130203090.

4.2.1.ii. Point Source Contributions.



Figure 4-52. Location of Active Point Source Facilities (Individual Permits) in Subwatershed 05130203090. Subwatershed 051302030020 and 051302030030 boundaries are shown for reference. More information, including the names of facilities, is provided in Stones-Appendix IV.

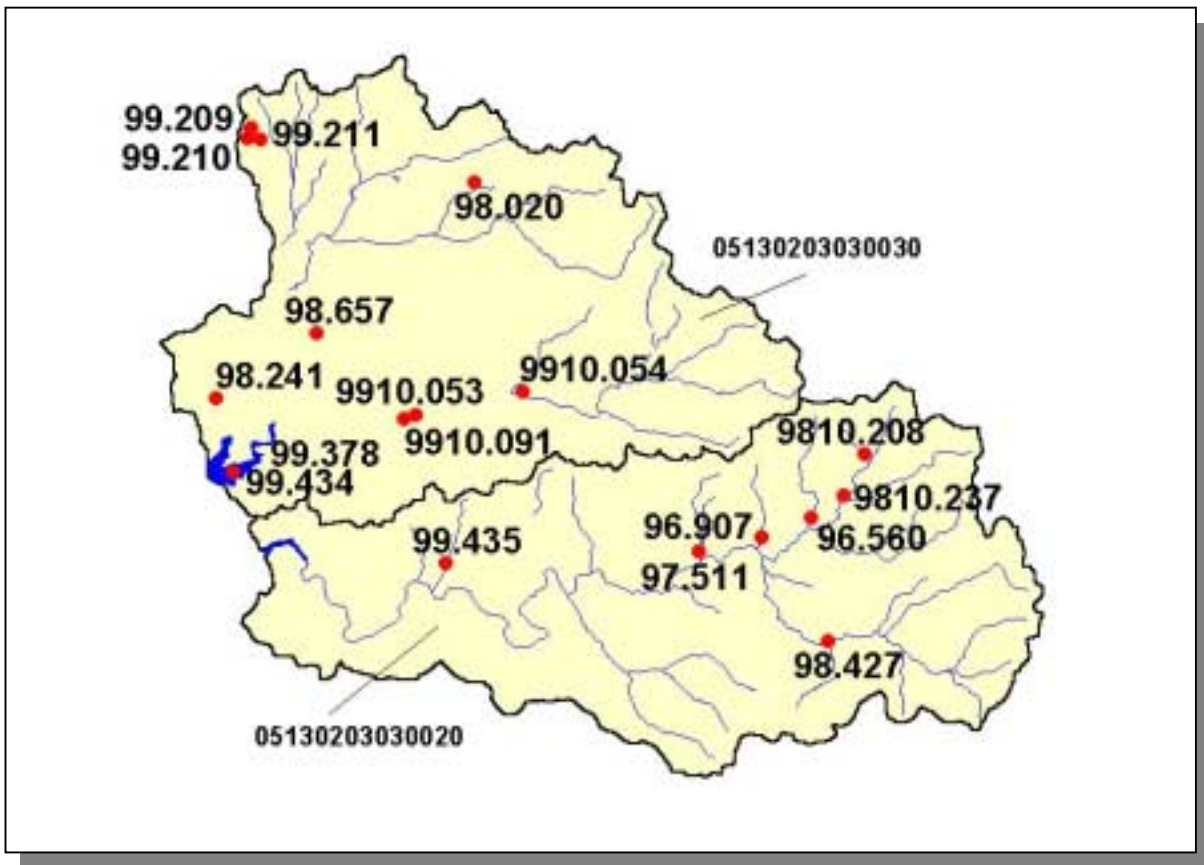


Figure 4-53. Location of ARAP Sites (Individual Permits) in Subwatershed 05130203090. Subwatershed 05130203030020 and 05130203030030 boundaries are shown for reference. More details may be found in Stones-Appendix IV.

4.2.I.iii. Nonpoint Source Contributions.

LIVESTOCK (COUNTS)					
Beef Cow	Cattle	Milk Cow	Chickens	Hogs	Sheep
4,267	8,055	251	13	264	74

Table 4-56. Summary of Livestock Count Estimates in Subwatershed 05130203090. According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Rutherford	155.7	155.7	0.4	0.9
Wilson	98.1	97.0	1.7	6.8
Total	253.8	252.7	2.1	7.7

Table 4-57. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 05130203090.

CROP	TONS/ACRE/YEAR
Corn (Row Crops)	2.39
Grass (Hayland)	0.35
Grass (Pastureland)	0.48
Grass, Forbs, Legumes (Mixed Pasture)	0.87
Forest Land (Grazed)	0.00
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.28
Non Agricultural Land Use	0.00
Soybeans (Row Crops)	6.25
Tobacco (Row Crops)	19.23
Wheat (Close Grown Cropland)	1.96
Legume Grass (Hayland)	0.39
All Other Close Grown Cropland	2.49
Berry (Horticultural)	0.47
Cotton (Row Crops)	4.79
Legume (Hayland)	0.32
Legume (Pastureland)	0.12
Conservation Reserve Program Land	0.28

Table 4-58. Annual Estimated Total Soil Loss in Subwatershed 05130203090.